

Scientist Tells
Of Canyon
In Atlantic

WORLD NEWS IN PICTURES

British Army
Girls Undertake
Fighting Duties

Latest Portrait Of Queen Elizabeth To Hang In Washington Embassy

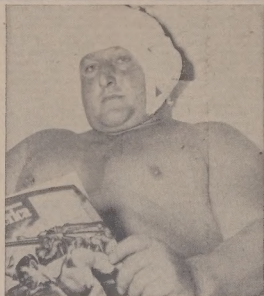


The first portrait for which Queen Elizabeth has posed since her accession to the throne of England will be hung in the British embassy in Washington, D.C. Painted by a noted American artist, Douglas Chandler during the course of past summer, the portrait was commissioned by Mrs. Eleanor Roosevelt and will be presented to the British embassy in Washington after it is exhibited at the Royal Society of Portrait Painters in

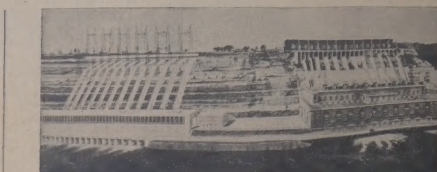
London. The artist has posed the Queen—whose portrait of a British monarch will be the first to be hung in the Washington embassy since World War I—in front of a mirror in the Yellow Drawing Room in Buckingham Palace so that her silhouette, clad in doublet, may be seen in the background.—Central Press Canadian.



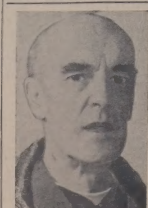
FAIRER SEX STEALS SPOTLIGHT AT U.N.—Three women delegates to the United Nations, representatives of the three most powerful nations in the world organization, are shown in conversation at recent session of the General Assembly. From left are the Hon. Mrs. E. Bennett, United Kingdom delegate; Mrs. M. S. Speranza of the U.S.S.R., and Mrs. Franklin D. Roosevelt of the U.S.—Central Press Canadian.



RECOVERING—Yukon Eric reads in a hospital bed where he faced a skin grafting operation after a wrestling accident. Eric recently had his ear torn off in a bout with Vladimir Kovalevski at the Montreal Forum ring.

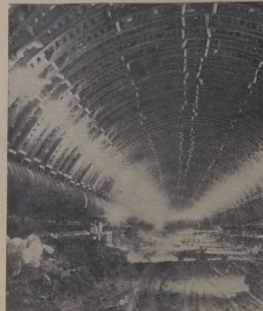


NIAGARA TUNNELS BUILT TO TIE 1,500,000 HORSEPOWER—1,500,000 horsepower of electric energy from Ontario Hydro's Sir Adam Beck generating station No. 2, opened operation in 1967. To the right in this artist's sketch is generating station No. 1, at one time the largest hydroelectric power plant in the world. The power development, to the left, is the highest ever undertaken by a public utility in Canada. Both plants are located on the bank of the turbulent Niagara river, approximately six miles below the famous falls.—Central Press Canadian.



KEY FIGURE IN CORONATION

—A key figure in the coronation surrounding the accession of Queen Elizabeth at Westminster Abbey next summer, the Very Rev. Dr. John Campbell, Dean of Westminster Abbey in London, poses for latest portrait. Following the death of King George VI last February, the 67-year-old Scotswoman made an appeal to the English people not to demand too much of their new Queen. "Let us give her a chance—a chance of being not only a queen but a woman with a home to enjoy, and a mother with children for whom to care."—Central Press Canadian.



This view shows an excavated section of the first of the two 3½-mile tunnels now being carved under the city of Niagara Falls. A total of 15,000,000 gallons of water per minute will flow through the tunnels to generating station No. 2.—Central Press Canadian.



PLASTIC HEART—Here is one of the plastic heart valves developed by Dr. John Gibbon and Charles Hufnagel of Georgetown University, New York. Dr. Hufnagel placed one of the valves in the heart of a human patient. The first in surgical history. The valve is made of plastic and consists of a small plastic wall in a chambered tube to prevent the backflow of blood.



English Ger-ray skirt in Scottish

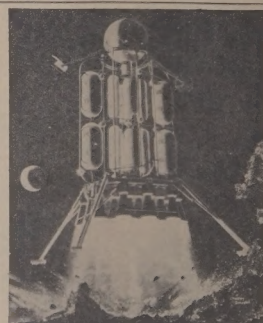
tribes attractively combined.

Married Too Hastily

LONDON.—Fred Marshall said he should have asked the advice of his mother before he rushed into marriage with a customer at his seaside "guess-your-weight" machine. After six months of marriage Marshall was ordered to pay \$2.40 a week maintenance to his wife in a separation suit. Marshall is 63, his wife 78. His mother is 103.



BRITISH GIRLS "MAN" THE GUNS—For the first time in the history of the British army, women have been sent overseas to undertake fighting duties. Officers of the Women's Royal Army corps have been sent to Gibraltar for operational duties in the British garrison there and here three girls of the regiment "man" a predator, part of their anti-aircraft equipment. Left in right, Lance-Corporal Glegg and Privates Bull and Taylor. The girls locate aircraft and supply targets to the guns, but the guns are operated by men.—Central Press Canadian.



MOON TRIP IN 1971, SAYS ROCKET EXPERT—In 1971, says Dr. Werner von Braun, world's leading rocket expert, a ship like this will land the moon, and in it will be 50 earth kilometers. The ship, following Dr. von Braun's plan, will be 100 feet long and 110 feet wide, and would in space 1075 miles above the earth. Part for the rocket would be carried in the large tanks hung on a framework below the gondola which houses the personnel on the trip. Dr. Braun says that three such ships would make the trip at once—two to land men and supplies and the third to carry fuel for the return trip.—Central Press Canadian.

TELLS OF CANYON IN ATLANTIC—Jon Morrow Lindbergh, one of eight scientists recently engaged in oceanographic survey, displays a glass cylinder with a sample of water taken from the sea floor as he arrives at Hoboken, N.J. Jon, who is the son of Col. and Mrs. Charles A. Lindbergh, said the expedition came upon hitherto unknown Atlantic canyons that stretch for 800 miles, somewhere midway between Bermuda and the Azores.—Central Press Canadian.



FEARSON INSTALLED AS U.N. PRESIDENT—The U.N. symbol of peace and world unity forms a backdrop for Lester Pearson, 66, as he presides over the assembly in the new building in New York. Pearson's election to the presidency was not opposed by the Communist bloc.

Vaccine Developed That May Prevent All Types Of Polio

Johns Hopkins Scientist Satisfied That It Is Possible To Produce Polio Antibodies In Human Beings

BALTIMORE.—Working with little children, a Johns Hopkins scientist has developed and tested a vaccine which gives promise of being effective against all three types of polio. "I am satisfied that it is possible to produce a satisfactory vaccine," Dr. Howard H. Hows, adjunct professor of epidemiology of Hopkins, said.

Antibodies are specific agents which can be developed in the blood to produce immunity against a disease.

Using a vaccine made of killed virus, Dr. Hows found that small children develop antibodies against the virus. He presented his findings at the annual meeting of the American Public Health Association in Chicago.

Preparation of a triple vaccine from Dr. Hows' most expeditiously tested, Polio is really three diseases. Any one of the three types of virus can cripple. A preventative must be aimed at all of them.

Dr. Hows warned that the vaccine is not ready for use—that he is not even sure it will be the vaccine to be used in large doses. Further testing will be necessary to improve it.

The children, all two to five years old, were low-grade inmates at Eastern State Training School. Their parents agreed to the experiment. No child was in danger at any time.

They were inoculated with a vaccine taken from the spinal cord of monkeys stricken with polio and then rendering the polio virus harmless but still capable of producing antibodies.

Dr. Hows had hoped that he could immunize chimpanzees. However, chimpanzees at Rosewood, in gold physical condition despite their handicap, were not fit for the human tests.

Blood tests showed only one of them had antibodies against more than one type of polio virus, before the vaccination.

Dr. Hows decided to give six of them the vaccine and watching it the other five. If the vaccine took, the children would develop antibodies in their blood. The others would not.

That is what happened. Polio is as common as measles, but most parents don't know they had it.

Antibodies for protection are manufactured in the blood of anyone who gets the polio virus.

Of every 1,000 inoculations, it is estimated that 10 to 15 will be effective, presumably because the person did not develop enough antibodies in time to halt the infection.

The rest became just as immune as the vaccinated.

Canadian Fashion

When the student leaves school these materials will be used directly or indirectly, the source of these resources make up the life of a living. As an example, the average person makes use of some 5,000 articles in their lives that come from forest products. We find it is important that all young people become familiar with the contribution these resources make to their lives, their future happiness and progress and are not lacking in understanding in their wise use and management if we are to continue to live.

Quick Canadian Quiz

1. What is the capital of Canada?
2. From 1940 to 1951 Canada admitted 324,684 immigrants. How many more people emigrated from Canada in that period?
3. How the authority to lease timber lands on publicly-owned crown lands rests with the federal or provincial governments?
4. What two cities entered the 100,000 population class in the 1951 census?
5. Before the war we imported 60 per cent of our steel. How much do we import today?

Answers Found in Another Column

2,000,000 Tourists Enter Canada In Nine Months

OTTAWA.—Foreign auto tourists entered Canada in the nine-month period ending with September reached 2,000,000, up three per cent, from last year.

The Bureau of Statistics said the 1952 January-to-September total was 1,992,685, compared with 1,941,349 for the corresponding period of 1951.

September entries were 232,032 over the corresponding period of 1951. The 281,212 total for September, 1951, Dr. Barrow said that since Labor Day last year, the year-to-date total of most visitors for that holiday entered Canada in August to help swell the August traffic total.

Entries into Canada in the July-to-September period total to 2,008,440 from 1,918,844 in the corresponding period last year. Entries to 328,241 from 328,517. British Columbia 221,884 from 213,552 and New Brunswick to 131,967 from 128,407.

Most entries to Ontario were 215,113 from 210,113. Quebec 215,113 from 210,113. Saskatchewan 215,113 from 210,113. Alberta 215,113 from 210,113. Yukon Territory 215,113 from 210,113.

Statistics show on the basis of a few months.

Helpful Hints

Place crumpled tissue paper in the bottom of the cookie jar and your cookies will stay fresh and moist.

Almost any kind of color can be removed from fabrics by putting a little dry mustard in cold water and rubbing it on the stain. Then rinse in cold water.

Clean the black buttons of aluminum pans by rubbing with a mixture of water and a teaspoon of soda. Rinse in cold water. Then dry.

Artificial flowers can be kept in a fresh position if the stems are placed in sand and kept partially in water.

Answers To Quick Quiz
ANSWERS: 1. Less than 25 per cent. 2. With the provincial government. 3. Increased of wild birds and domestic cattle. 4. Edmonton and Calgary. 5. 2,000,000.

(Materials supplied by the editors of each Canadian Paper of the week book of each Canada.)

The Small Velvet Hat—Perfect For Dressy Occasions



The polli-hat-bagging chapeau, preferably of velvet, is featured on this winter's millinery parade. A perfect complement to the popular skirt cutters is the small velvet hat, (right), more slightly back of the head.

APPETIZING RECIPES

100 Years Away
Scientist Discounts Theory Of Early Travelling To The Moon

OTTAWA.—A prominent American aeronautical scientist exploded views of man travelling to the moon "in our lifetime" in a speech before the Royal Society of Canada. Dr. Hugh L. Dryden, director of the U.S. national advisory committee for aeronautics, said man may develop aircraft which will reach sustained supersonic speeds by 1955 or 1970. However, he said, space travel would not be a reality for at least 100 years.

Dr. Dryden, in an unprepared speech here recently to members of the National Research Council, said that while it is a waste of time for scientists to attempt to build space ships now, the basic scientific and technical information necessary for space travel is not yet known.

"It is unlikely that travel to the moon will occur in our lifetime, but there is no doubt that this goal will eventually be reached by the human race," he said. "It is not profitable, however, to devote money to design and construct prototype vehicles for space travel at this time, for the basic scientific and technical data are not yet at hand."

Aeronautics, however, he said, had sufficient knowledge to build space landing platforms, which could operate as refueling stations for space ships en route to and from the moon. However, he said, to attempt to build a rocket launching platform at present would be a waste of money because the vast amount of information required to build a space ship.

"Sustained supersonic flight is quite a hard problem on occasional supersonic flight as we know it now," he said. "Fuel consumption is the main limiting factor, but there are a number of other problems."

Dr. Dryden said scientists still must overcome many before, thought to be responsible for the recent discovery of a small, dark, round object breaking through the solar barrier. He said, "whether it may be a nearby object when I think about it, it is as hard as I can think of."

"The value of the discovery is limited by the fact that they are human beings," he said. "For instance, a man's physical ability to withstand the heat of re-entry is a problem."

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National League Hockey Notes

A Natural Whistle-Blower

ARRY CHAMBERLAIN, a defenseman to the National Hockey League's refereeing corps, is a traffic cop in Kingston, Ont., during the summer, which makes him a natural whistle-blower. He is only 25 years old and has worked in the O.H.A. League for the past four years. He has been a member of the Kingston police force for over four years.

One Brother Combination

Over the years, the National Hockey League has boasted many famous brother combinations. At no time has the league's history seen there been less than one brother act. The only brother combination in the League today are the Wilson brothers, who play for the Boston Bruins. Johnny is a left winger and Larry plays center.

Seven New Faces

The Chicago Black Hawks started the 1952-53 N.H.L. season with seven new faces in their lineup. The revamped Hawks, hottest team in the National Hockey League, started the first week of play; have such newcomers as Bill Dineen, who played for Don Morton and Eddie Krivanec and Ferencsik and Gardner. Fred Glover, Peter Chamberlain and Gerry Gaudin on their roster this year. All play with regularity in the N.H.L., except the 20-year-old Chamberlain.

Uses Skates One Size Smaller

Bill Schmitt is one of the few hockey players in the National Hockey League who likes to have his skates made to order. He wears 38 Boston Bruins' skates, which are one size smaller than the size of his feet. He wears 39 skates made of black on the ice surface.

Goal Sells Bull

Bill Cook, New York coach, recently sold the bull that he had bought for \$100. The bull, which he had sent him to the hospital for a lengthy illness. The bull, which he had sent him to the hospital for a lengthy illness. The bull, which he had sent him to the hospital for a lengthy illness.

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